



CHC
Capitol Hill Challenge™

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How to Calculate CHC Portfolio Rankings

S&P Growth Method

CHC teams are ranked based on the percent growth of their portfolio's *Total Equity* compared to the percent growth of the S&P 500 Index. The team with the highest *% Return Above/Below S&P 500 Growth* during the CHC session ranks first, the team with the next highest ranks second, and so on (assuming teams have also followed all other CHC rules).



How to Calculate Portfolio Rankings using S&P Growth Method:

The first step is to calculate a team's total equity percent growth. Subtract \$100,000 from the portfolio's *Total Equity* and then divide by \$100,000. Next, calculate the S&P 500 percent growth by subtracting the S&P 500 closing value on the business day prior to the official start of the CHC session (*My S&P500 Start Value*) from the most recent S&P 500 closing value (*S&P500 Last Close*) and dividing by *My S&P500 Start Value*. Since CHC began on February 1, the business day prior to the official start of the CHC session would be January 29. Finally, subtract the S&P 500 percent growth from your total equity percent growth and multiply by 100. This gives you the team's *% Return Above/Below S&P 500 Growth*.

Here is a formula to help with calculations:

$$\left(\frac{\text{Total Equity} - \$100,000}{\$100,000} - \frac{\text{S\&P500 Last Close} - \text{My S\&P500 Start Value}}{\text{My S\&P500 Start Value}} \right) \times 100 = \% \text{ Return Above/Below S\&P 500 Growth}$$

PLEASE NOTE: If your portfolio username/password was issued after the official start date of the CHC session (February 1, 2021), your S&P 500 start value will be the S&P 500 closing value on the business day prior to when your portfolio username/password was issued. Each team's S&P start value appears as *My S&P500 Start Value* on their *Account Summary* page, the *Rankings* page, and all *Rankings* screens, and does not change during the CHC program period.

EXAMPLE: Teams A and B are created before the CHC session start date (February 1, 2021) and have *My S&P500 Start Value* of 2,000. Team C is created on a date after the CHC session start date and has *My S&P500 Start Value* of 2,100. On the last day of the CHC session (May 7, 2021), the *S&P500 Last Close* is recorded at 2,150. Team A ends with \$110,000 in *Total Equity*, and Teams B and C end with \$105,000 each. Using the formula, teams can calculate rankings as per the table below. Team C has the highest *% Return Above/Below S&P 500 Growth* and ranks first, followed by Team A in second place, and Team B in third (assuming each team has also followed all other CHC rules).

	Total Equity	Total Equity Growth	My S&P500 Start Value	S&P500 Last Close	S&P Growth (points)	S&P Growth (percent)	% Return Above/Below S&P 500 Growth
Team C	\$105,000	5.0%	2,100	2150	50	2.4%	2.6%
Team A	\$110,000	10.0%	2,000	2150	150	7.5%	2.5%
Team B	\$105,000	5.0%	2,000	2150	150	7.5%	-2.5%



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